

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134922.D
 Acq On : 24 Aug 2023 14:05
 Operator : CG\JU
 Sample : 04082-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 217

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 01:18:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	115059	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	451035	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	214055	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	339607	20.000	ng	0.00
76) Chrysene-d12	13.980	240	255997	20.000	ng	0.00
86) Perylene-d12	15.457	264	276842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	560888	77.736	ng	0.00
7) Phenol-d6	6.434	99	701044	76.037	ng	0.00
23) Nitrobenzene-d5	7.351	82	441340	53.919	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	166367	65.992	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	777327	56.138	ng	0.00
79) Terphenyl-d14	12.922	244	695142	37.348	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	346861	19.491	ng	99
72) Anthracene	11.398	178	73030	4.005	ng	98
75) Fluoranthene	12.545	202	733873	43.523	ng	99
78) Pyrene	12.775	202	657128	24.210	ng	99
81) Benzo(a)anthracene	13.969	228	346591	19.844	ng	97
83) Chrysene	14.010	228	363223	21.077	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	180590	9.126	ng	95
88) Benzo(b)fluoranthene	15.027	252	490046m	31.374	ng	
89) Benzo(k)fluoranthene	15.051	252	151590m	9.883	ng	
90) Benzo(a)pyrene	15.392	252	312042	20.012	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	45566	2.846	ng	95
92) Benzo(g,h,i)perylene	17.404	276	169426	10.337	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

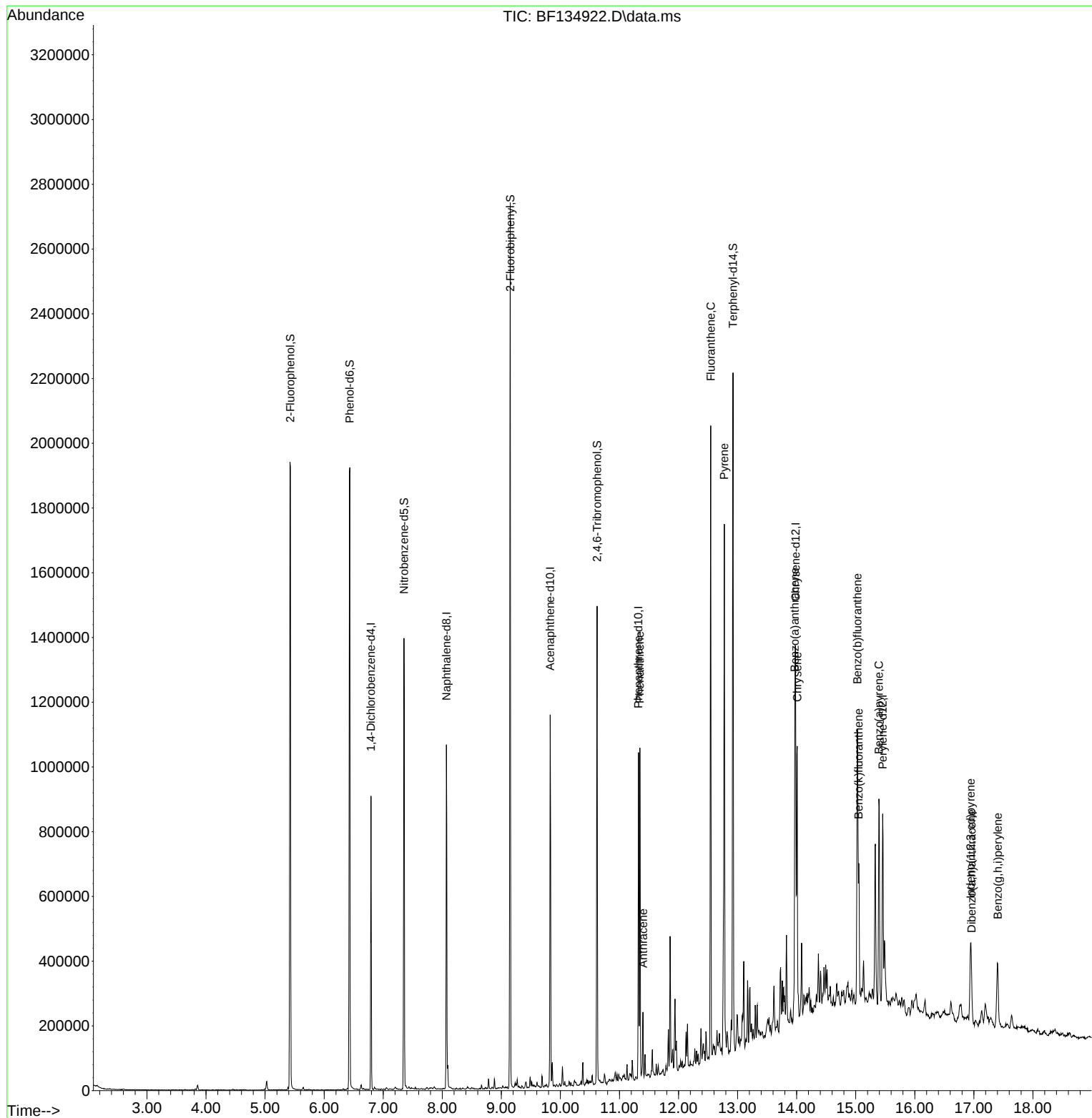
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134922.D
Acq On : 24 Aug 2023 14:05
Operator : CG\JU
Sample : 04082-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

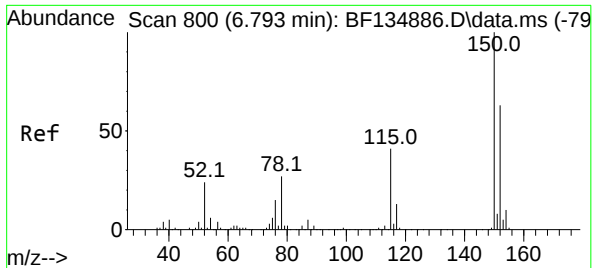
Instrument :
BNA_F
ClientSampleId :
217

Quant Time: Aug 25 01:18:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

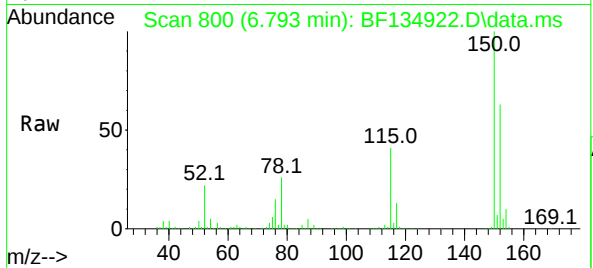
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

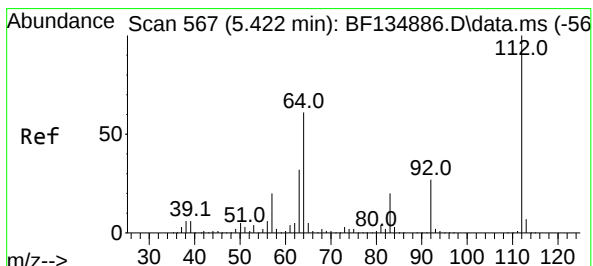
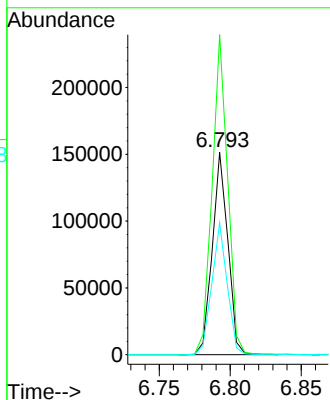
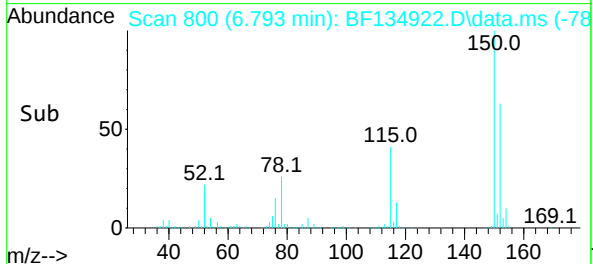
Instrument :
BNA_F
ClientSampleId :
217



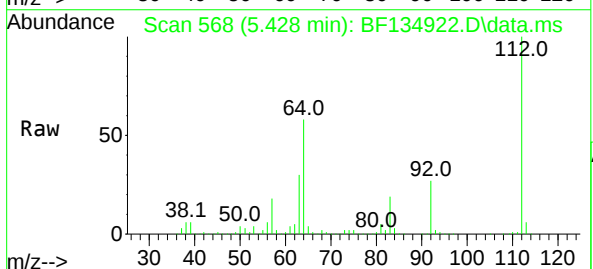
Tgt Ion:152 Resp: 115058
Ion Ratio Lower Upper
152 100
150 158.1 126.1 189.1
115 65.2 51.1 76.7

Manual Integrations
APPROVED

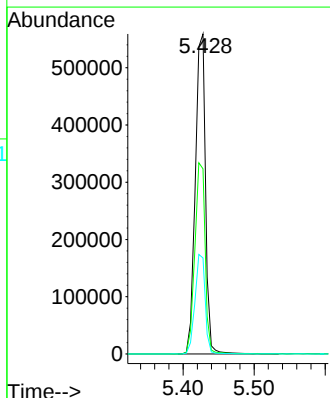
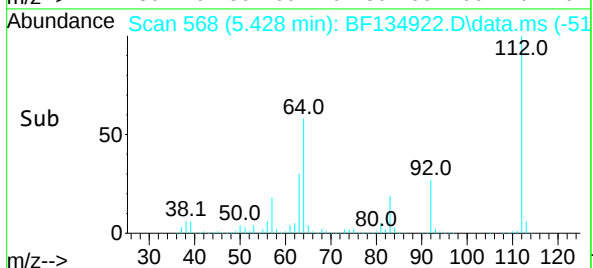
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

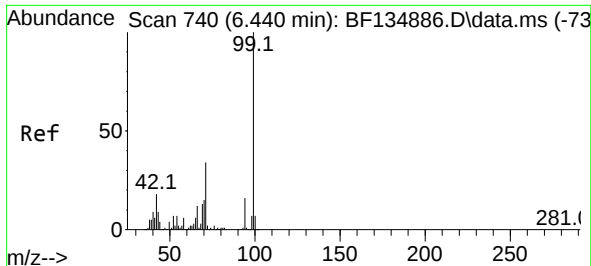


#5
2-Fluorophenol
Concen: 77.736 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05



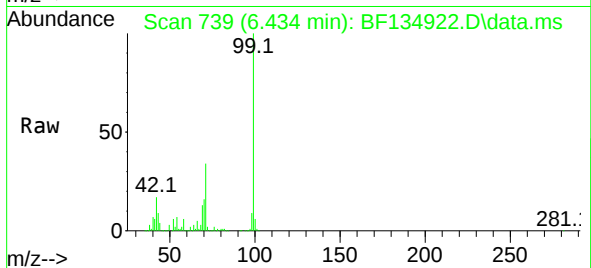
Tgt Ion:112 Resp: 560888
Ion Ratio Lower Upper
112 100
64 57.9 48.6 73.0
63 30.0 25.7 38.5





#7
Phenol-d6
Concen: 76.037 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

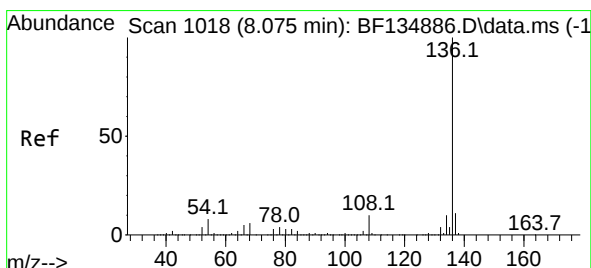
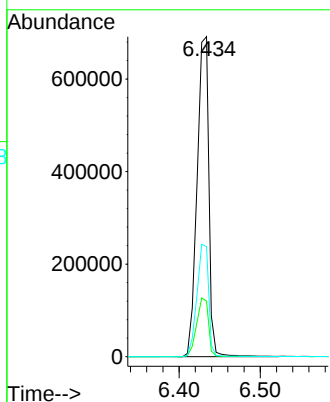
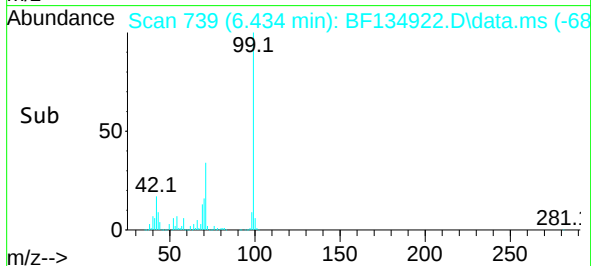
Instrument :
BNA_F
ClientSampleId :
217



Tgt Ion: 99 Resp: 701044
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 34.4 27.6 41.4

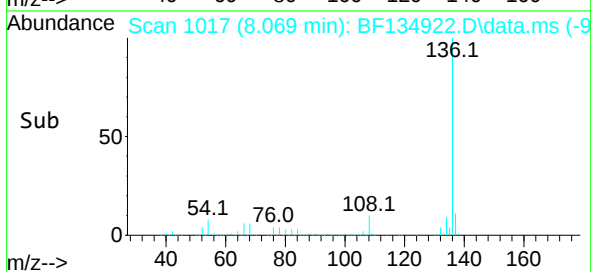
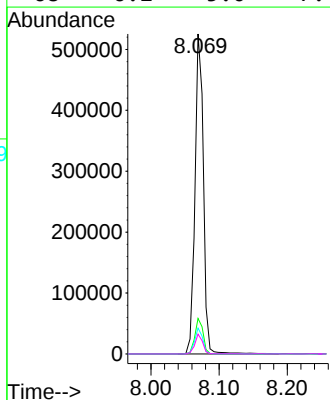
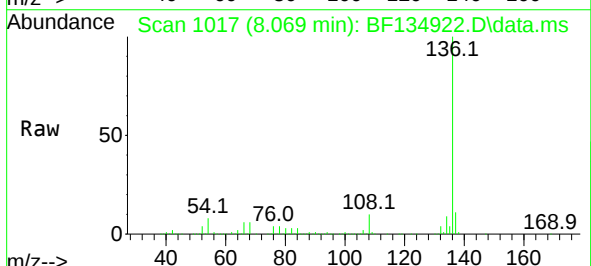
Manual Integrations
APPROVED

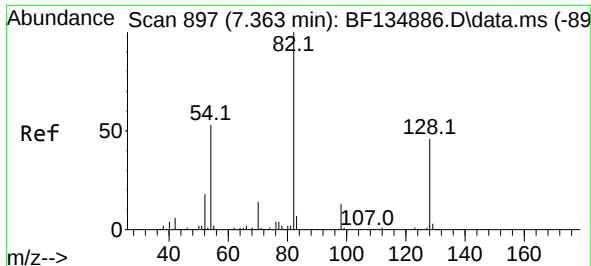
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:136 Resp: 451035
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.1 6.6 9.8
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 53.919 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

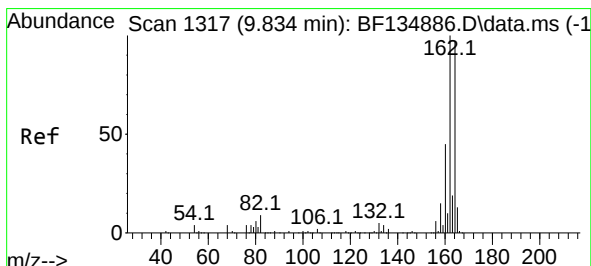
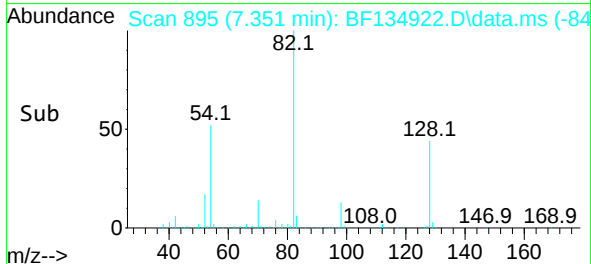
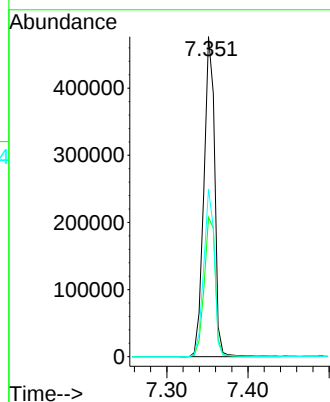
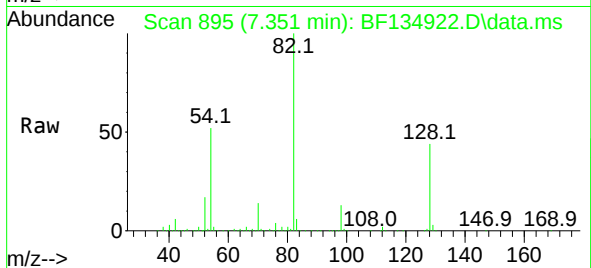
Tgt Ion: 82 Resp: 441340
 Ion Ratio Lower Upper
 82 100
 128 43.5 36.6 54.8
 54 52.4 42.6 63.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

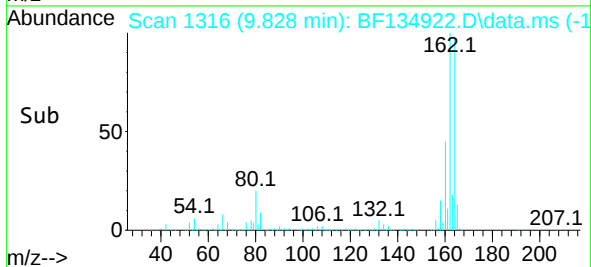
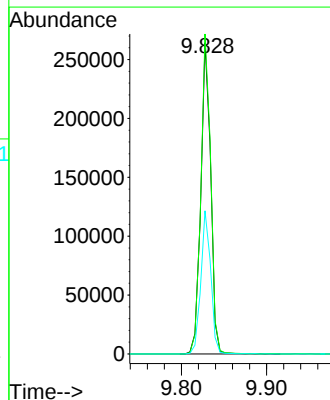
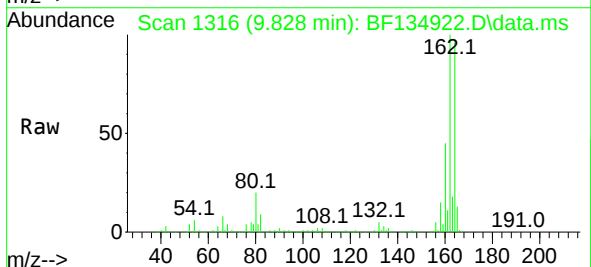
RT: 9.828 min Scan# 1316

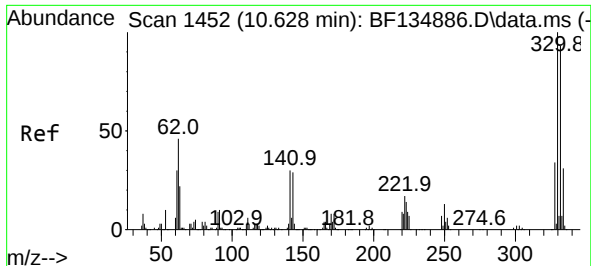
Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

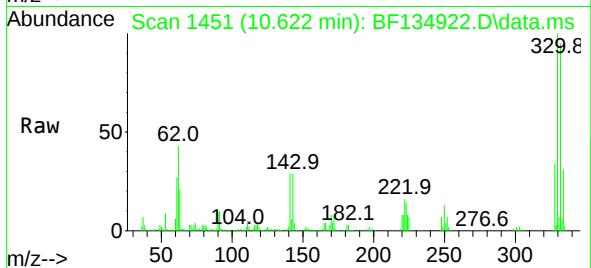
Tgt Ion:164 Resp: 214055
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 46.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 65.992 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

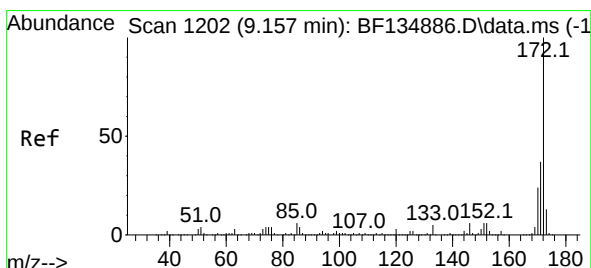
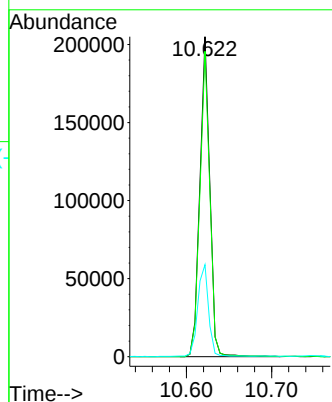
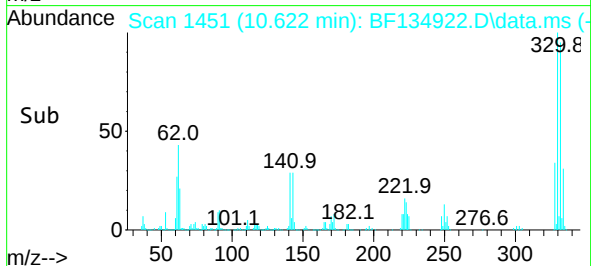
Instrument :
BNA_F
ClientSampleId :
217



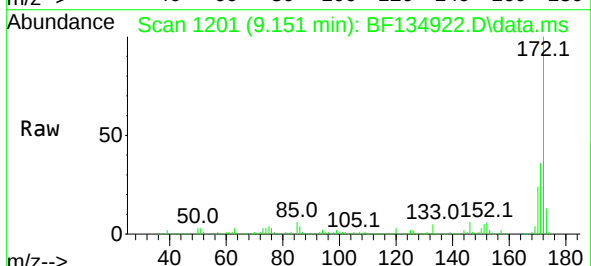
Tgt Ion: 330 Resp: 16636
Ion Ratio Lower Upper
330 100
332 95.7 76.3 114.5
141 31.9 23.4 35.2

Manual Integrations
APPROVED

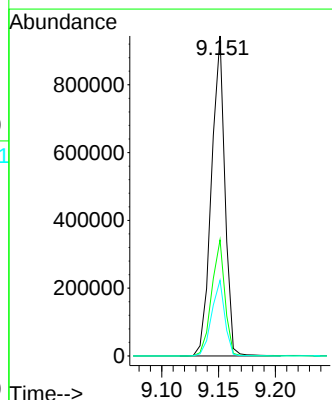
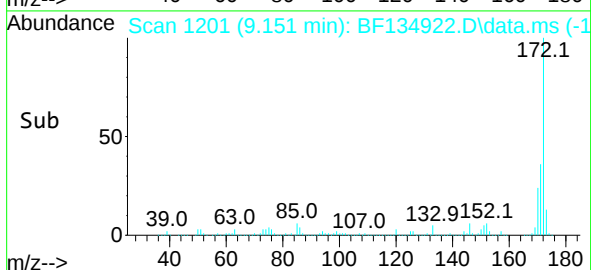
Reviewed By : Yogesh Patel 08/25/2023
Supervised By : mohammad ahmed 08/25/2023

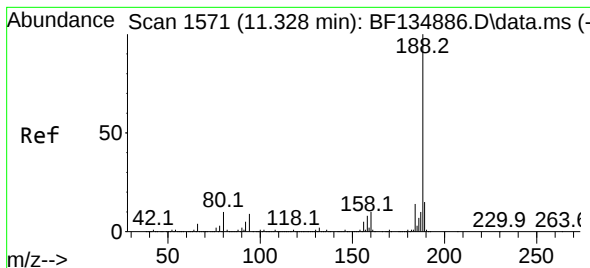


#45
2-Fluorobiphenyl
Concen: 56.138 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05



Tgt Ion: 172 Resp: 777327
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 23.7 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

Tgt Ion:188 Resp: 33960

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

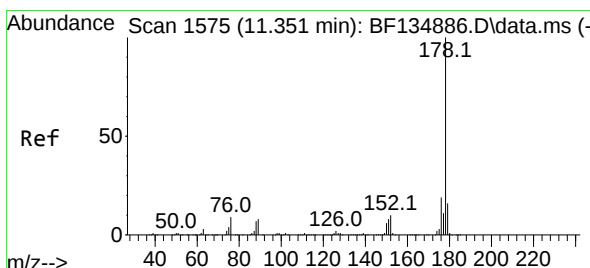
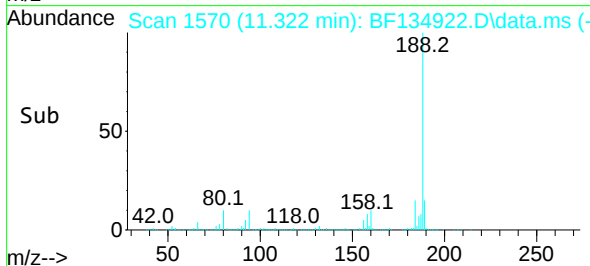
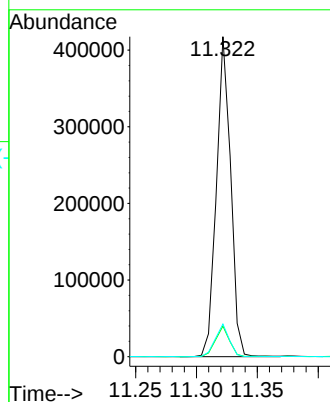
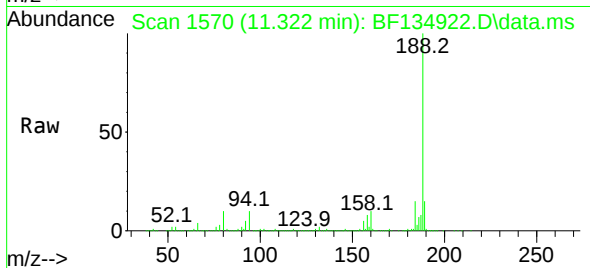
80 10.2 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#71

Phenanthrene

Concen: 19.491 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

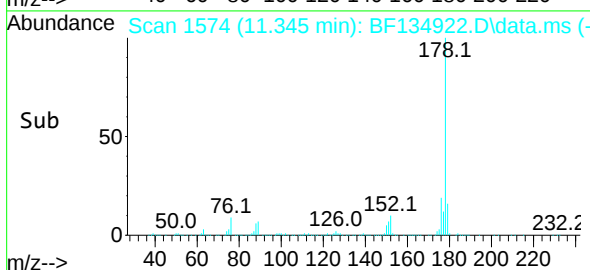
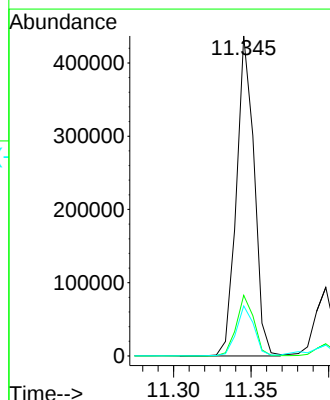
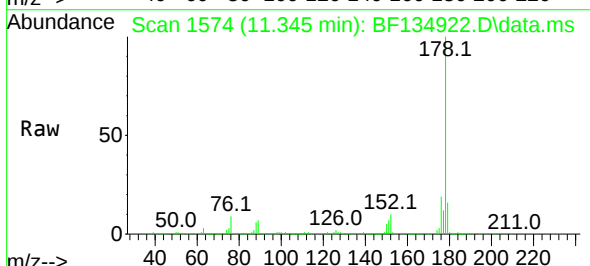
Tgt Ion:178 Resp: 346861

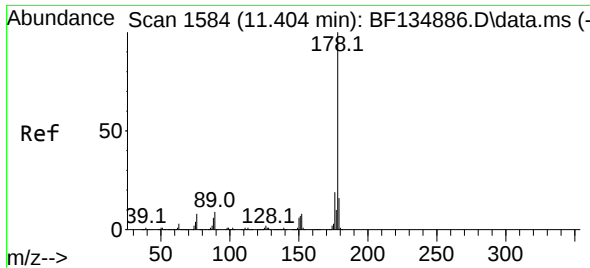
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

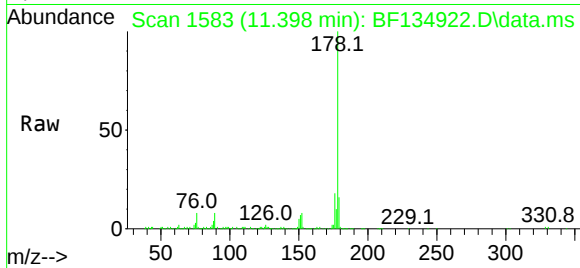
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 4.005 ng
 RT: 11.398 min Scan# 11398
 Delta R.T. -0.006 min
 Lab File: BF134922.D
 Acq: 24 Aug 2023 14:05

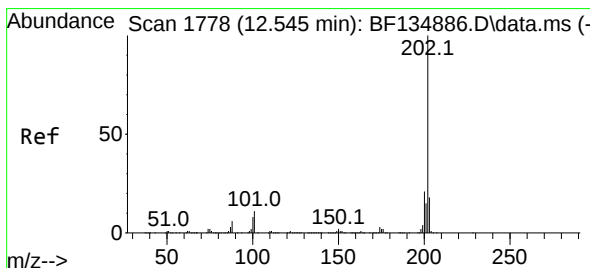
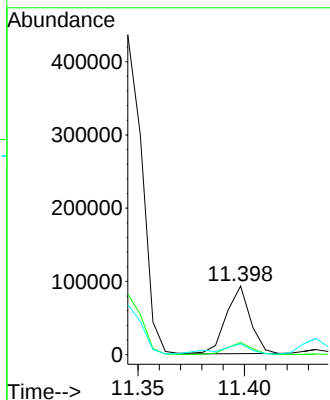
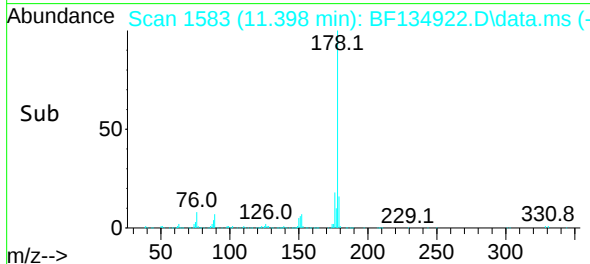
Instrument :
 BNA_F
 ClientSampleId :
 217



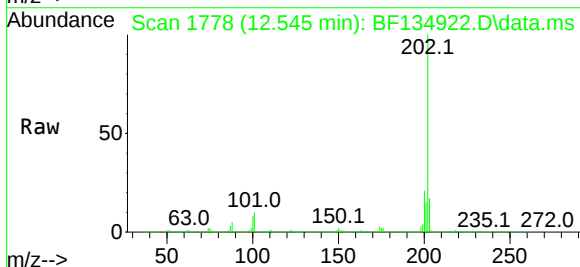
Tgt Ion:178 Resp: 73030
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.6
 179 15.8 12.5 18.7

Manual Integrations
 APPROVED

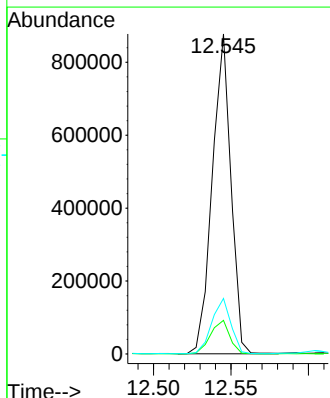
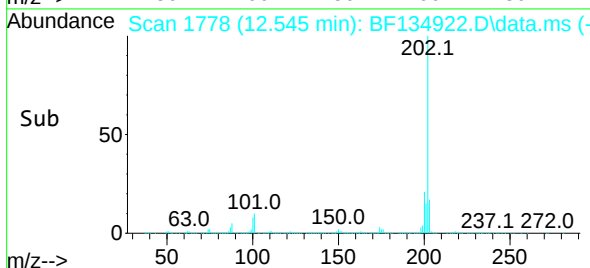
Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

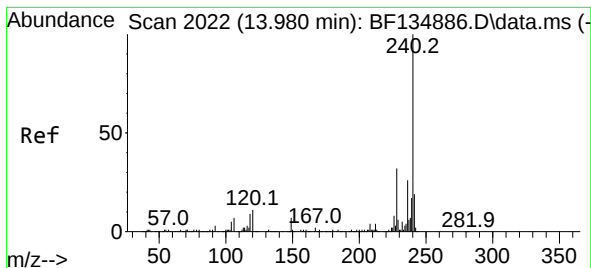


#75
 Fluoranthene
 Concen: 43.523 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF134922.D
 Acq: 24 Aug 2023 14:05



Tgt Ion:202 Resp: 733873
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.5
 203 17.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

Tgt Ion:240 Resp: 255997

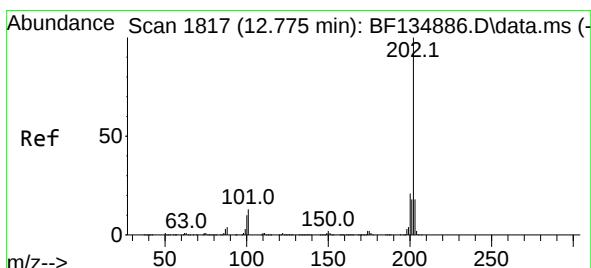
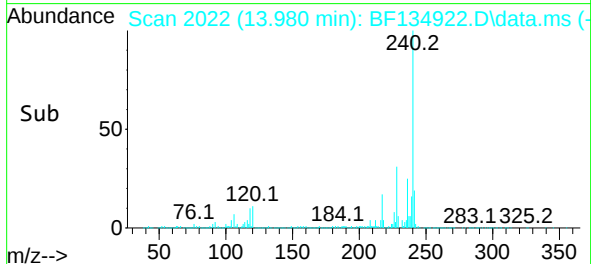
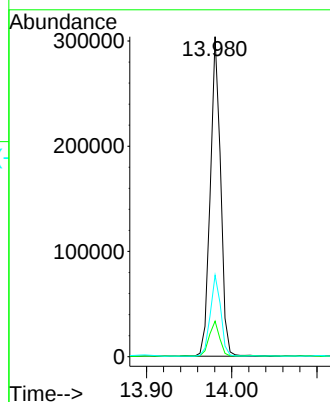
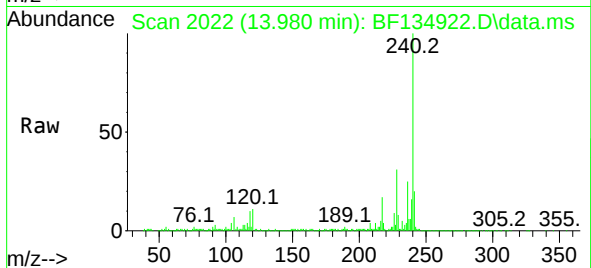
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	12.8
236	25.4	20.6	31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#78

Pyrene

Concen: 24.210 ng

RT: 12.775 min Scan# 1817

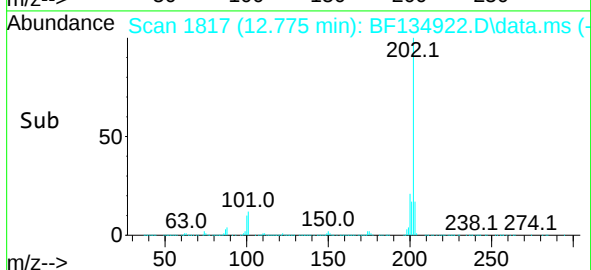
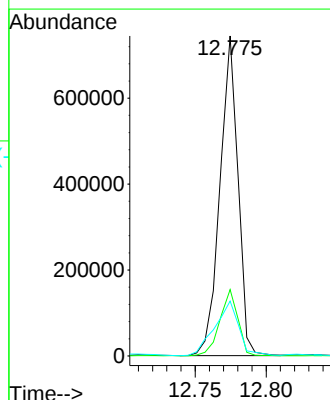
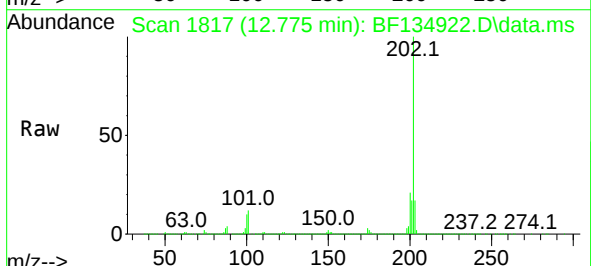
Delta R.T. 0.000 min

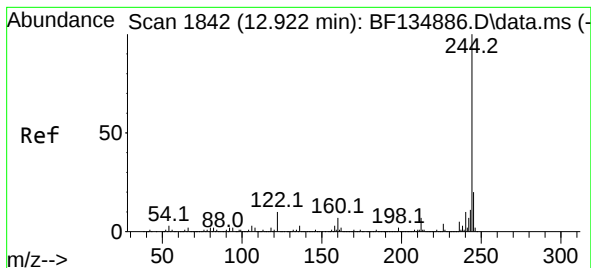
Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Tgt Ion:202 Resp: 657128

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.1	14.2	21.2





#79

Terphenyl-d14

Concen: 37.348 ng

RT: 12.922 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

Tgt Ion:244 Resp: 69514

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

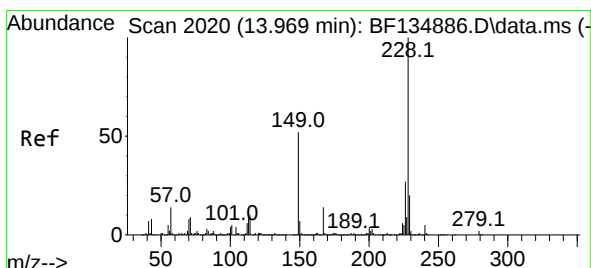
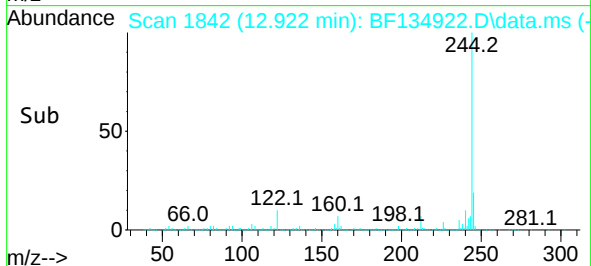
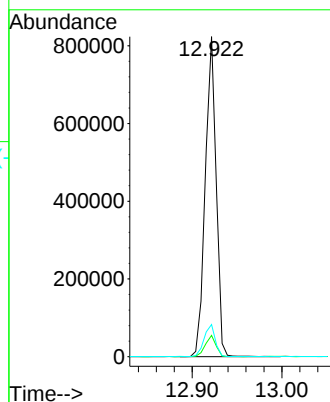
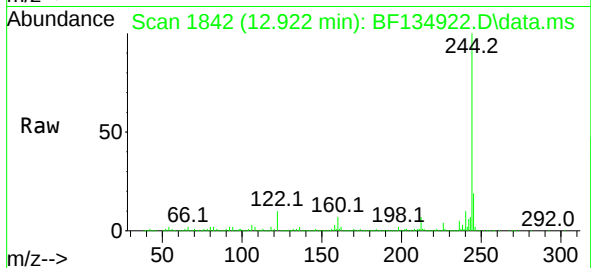
122 10.1 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#81

Benzo(a)anthracene

Concen: 19.844 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

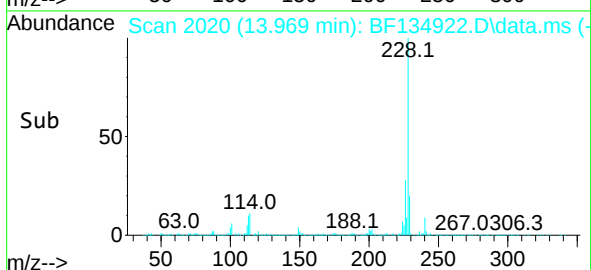
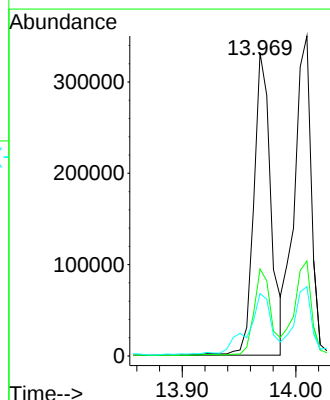
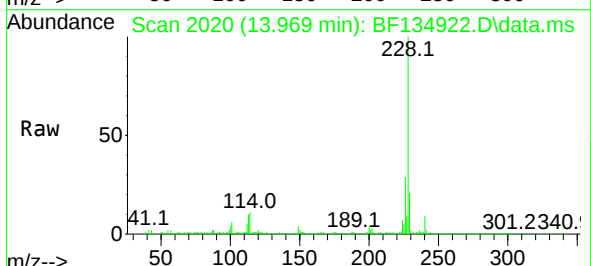
Tgt Ion:228 Resp: 346591

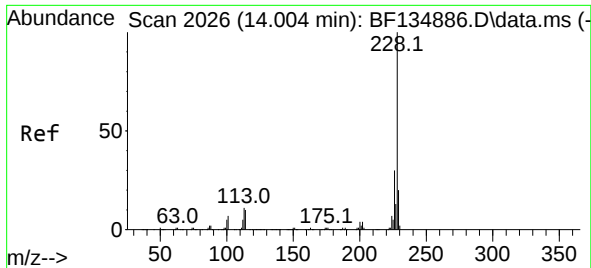
Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.6

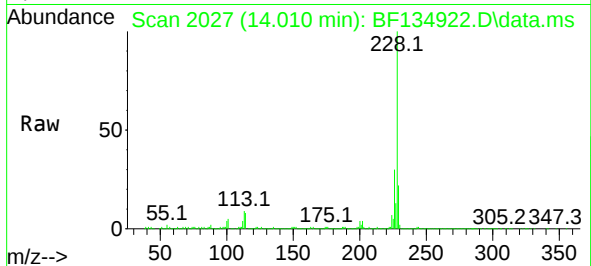
229 20.6 15.6 23.4





#83
Chrysene
Concen: 21.077 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

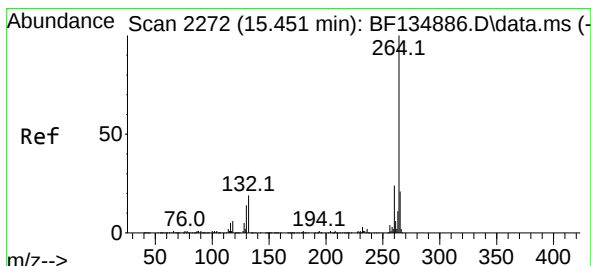
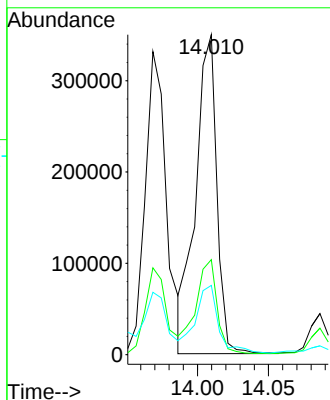
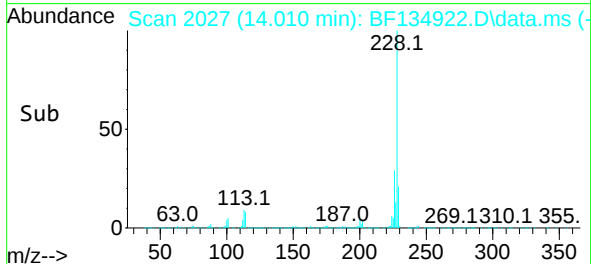
Instrument :
BNA_F
ClientSampleId :
217



Tgt Ion:228 Resp: 363223
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 21.7 16.0 24.0

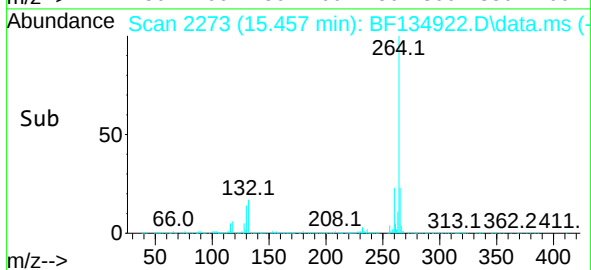
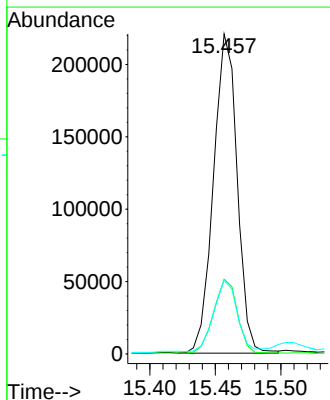
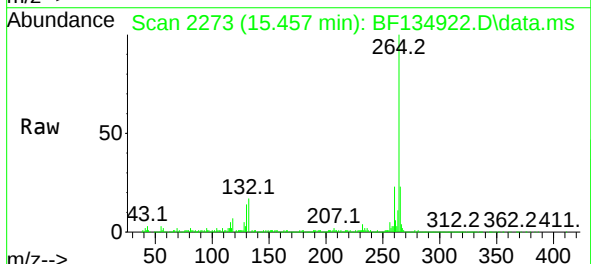
Manual Integrations
APPROVED

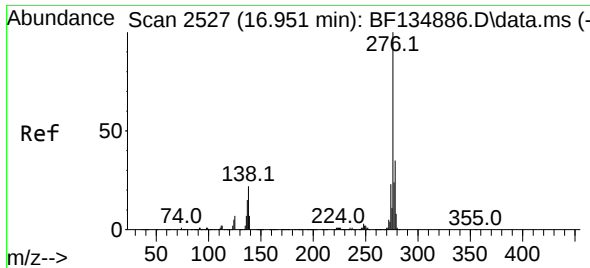
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

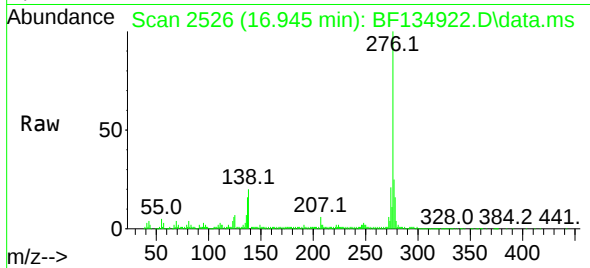
Tgt Ion:264 Resp: 276842
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 23.1 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.126 ng
RT: 16.945 min Scan# 217
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

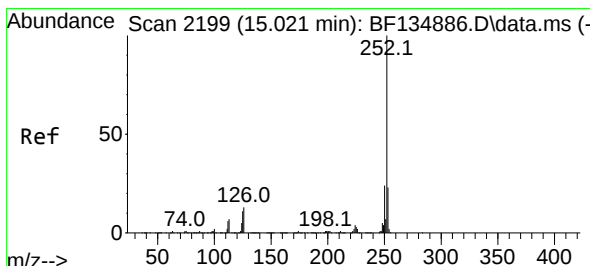
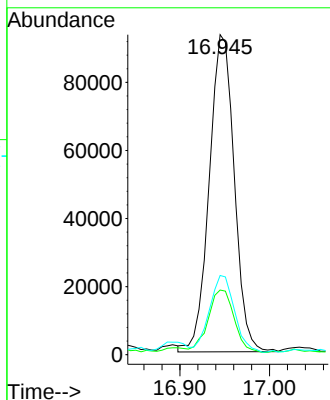
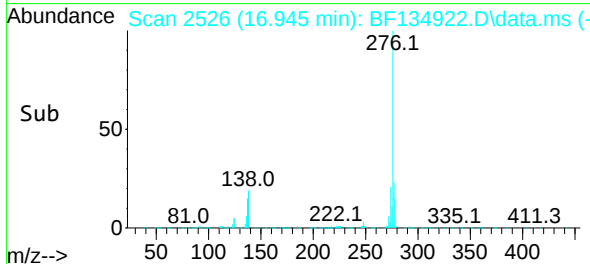
Instrument :
BNA_F
ClientSampleId :
217



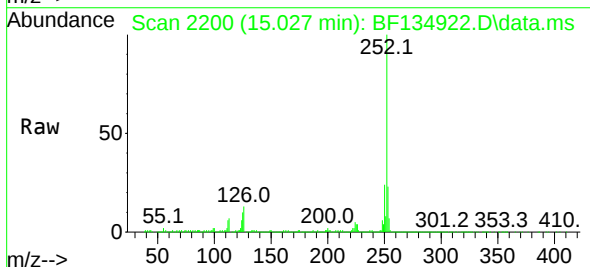
Tgt Ion:276 Resp: 180590
Ion Ratio Lower Upper
276 100
138 20.4 19.7 29.5
277 24.0 20.1 30.1

Manual Integrations
APPROVED

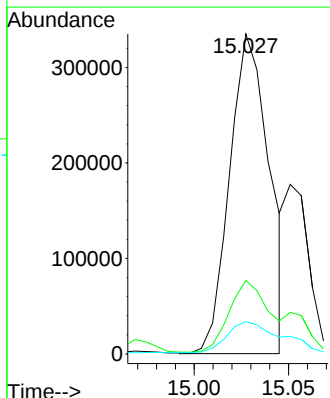
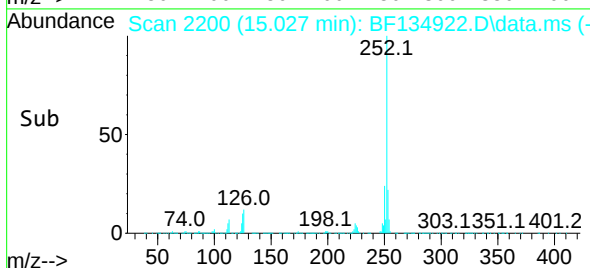
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

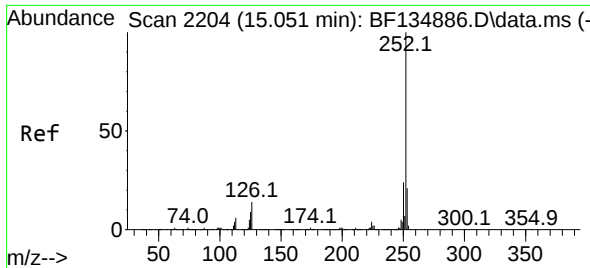


#88
Benzo(b)fluoranthene
Concen: 31.374 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05



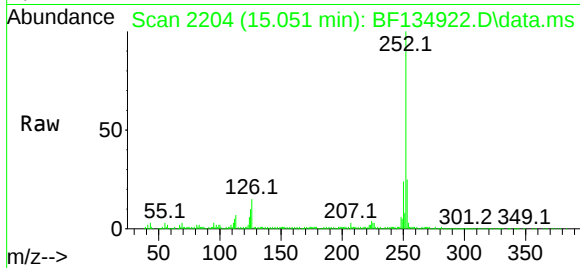
Tgt Ion:252 Resp: 490046
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.1 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 9.883 ng m
RT: 15.051 min Scan# 217
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

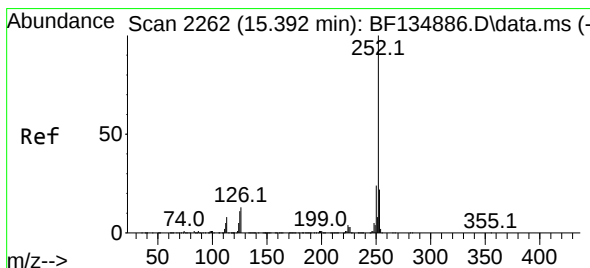
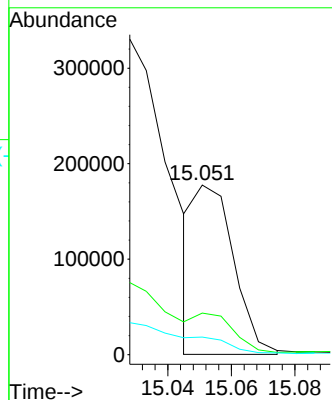
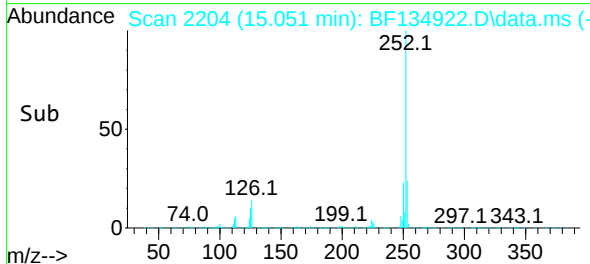
Instrument :
BNA_F
ClientSampleId :
217



Tgt Ion:252 Resp: 151590
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 10.4 8.0 12.0

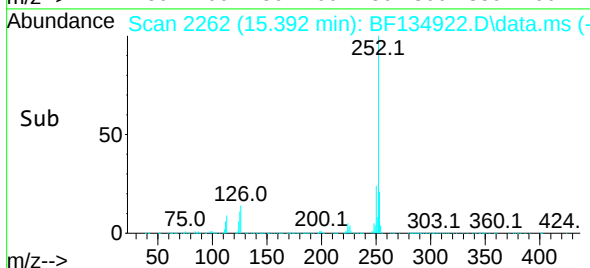
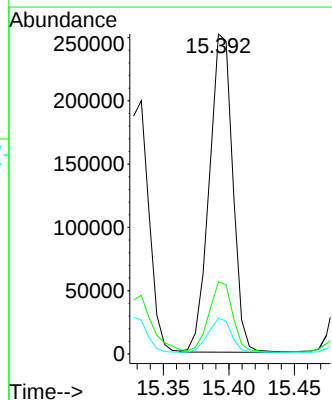
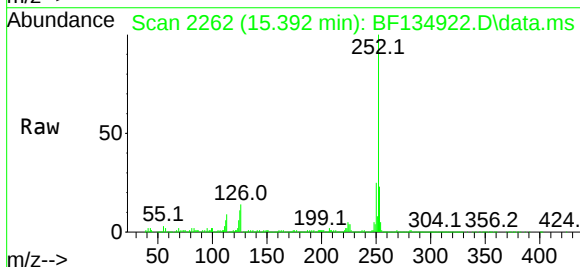
Manual Integrations
APPROVED

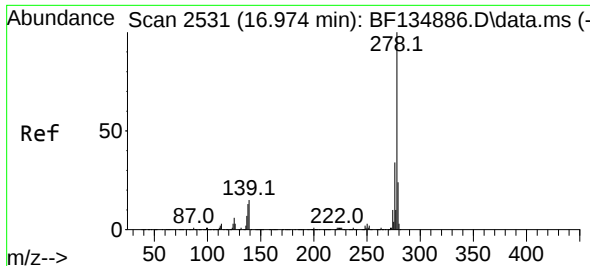
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#90
Benzo(a)pyrene
Concen: 20.012 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

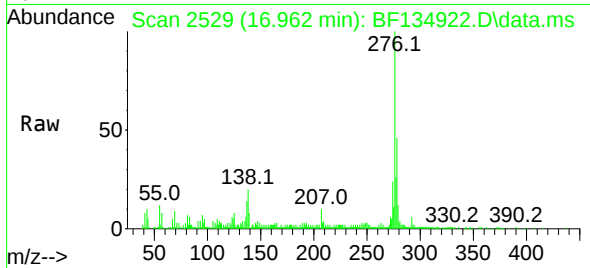
Tgt Ion:252 Resp: 312042
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.2 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.846 ng
RT: 16.962 min Scan# 217
Delta R.T. -0.012 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

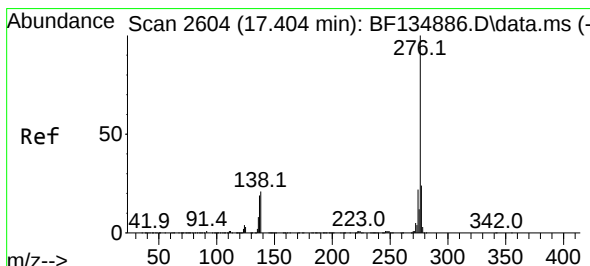
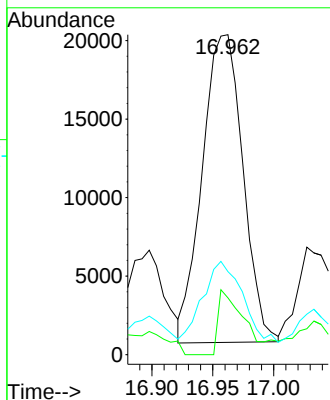
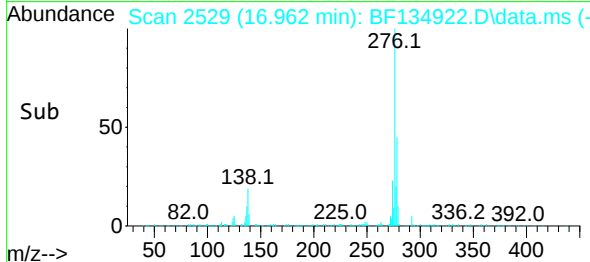
Instrument :
BNA_F
ClientSampleId :
217



Tgt Ion:278 Resp: 45560
Ion Ratio Lower Upper
278 100
139 17.7 12.2 18.4
279 25.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#92
Benzo(g,h,i)perylene
Concen: 10.337 ng
RT: 17.404 min Scan# 2604
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:276 Resp: 169426
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 20.2 17.0 25.6

